



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/606,752	06/27/2003	Yong Sung Ham	049128-5110	5560
30827	7590	11/01/2007	EXAMINER	
MCKENNA LONG & ALDRIDGE LLP 1900 K STREET, NW WASHINGTON, DC 20006			SHERMAN, STEPHEN G	
			ART UNIT	PAPER NUMBER
			2629	
			MAIL DATE	DELIVERY MODE
			11/01/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No.	Applicant(s)
	10/606,752	HAM ET AL.
Examiner	Art Unit	
Stephen G. Sherman	2629	

All participants (applicant, applicant's representative, PTO personnel):

(1) Stephen G. Sherman. (3) Eric J. Nuss.

(2) Isaac Clark. (4) _____.

Date of Interview: 24 October 2007.

Type: a) Telephonic b) Video Conference
c) Personal [copy given to: 1) applicant 2) applicant's representative]

Exhibit shown or demonstration conducted: d) Yes e) No.

If Yes, brief description: _____.

Claim(s) discussed: 11.

Identification of prior art discussed: AAPA (Figure 4) Morita (US 2002/0196221) and Lee (US 2001/0038372).

Agreement with respect to the claims f) was reached. g) was not reached. h) N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

AMR A. AWAD
SUPERVISORY PATENT EXAMINER



Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The applicant's representative's explained what is claimed in independent claim 11 and what is taught by the prior art, and then presented arguments articulating that Lee discloses of comparing reduced bit values to retrieve a modulated value which is added to the least significant bits to provide the final output data, whereas their claimed invention requires for the modulator to replace all of the bits of the source data with the stored preset modulated data and also states that a bit number of the stored preset modulated data is more than that of the reduced-bit source data. The examiner argued that Lee was only used to teach of starting with an 8-bit value and reducing the number of bits for comparison and then outputting modulated data which is greater in the number of bits than the reduced bit source data, and that in combination, this modulated data would be stored preset modulated data as taught by AAPA and Morita, where AAPA teaches that all of the bits used in comparison are replaced by stored preset modulated data. The applicant's representatives and the examiner could not come to an agreement on the claims..